

<p align="center"><b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371</b></p>		<p>Attorney Docket Number <b>5525-0044.10</b></p>
<p>International Application No., <b>PCT/US00/04349</b></p>	<p>International Filing Date <b>18 February 2000</b></p>	<p>U.S. Application No. (if known, see 37 CFR §1.5) <b>09/914101</b> Priority Date Claimed <b>22 February 1999</b></p>
<p>Title of Invention <b>POLYMORPHIC DNA FRAGMENTS AND USES THEREOF</b></p>		
<p>Applicant(s) for DO/EO/US <b>Sydney Brenner</b></p>		
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information</p>		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. §371.</li> <li>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)).</li> </ol>		
<p>Items 11. to 16. below concern document(s) or information included:</p>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR §1.97 and §1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR §3.28 and §3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.             <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSTITUTE</b> preliminary amendment.</li> <li>14. <input type="checkbox"/> A substitute specification.</li> <li>15. <input type="checkbox"/> A change of Power of Attorney and/or Address letter.</li> <li>16. <input type="checkbox"/> Other items or information:</li> </ol>		

U.S. Application No. (if known, see 37 CFR \$1.5) <div style="font-size: 1.5em; font-weight: bold;">09/914101</div>		International Application No. <div style="font-weight: bold;">PCT/US00/04349</div>		Attorney's Docket No. <div style="font-weight: bold;">5525-0044.10</div>	
17. <input checked="" type="checkbox"/> The following fees are submitted: <b>BASIC NATIONAL FEE</b> (37 CFR \$1.492(a)(1)-(5): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1,000.00  International preliminary examination fee (37 CFR \$1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$ 860.00  International preliminary examination fee (37 CFR \$1.482) not paid to USPTO but international search fee (37 CFR \$1.445(a)(2)) paid to USPTO ..... \$ 710.00  International preliminary examination fee paid to USPTO (37 CFR \$1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$ 690.00  International preliminary examination fee paid to USPTO (37 CFR \$1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00  <div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div>				CALCULATIONS                      PTO USE ONLY	
				\$860.00	
Surcharge of \$130 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claim priority date (37 CFR \$1.492(e))				\$130.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	20 - 20	0	x \$ 18.00	\$ 00.00	
Independent Claims	7 - 3	4	4 x \$ 80.00	\$320.00	
Multiple Dependent Claim(s) (if applicable)			+ \$270.00	\$ 00.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$1310.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$1310.00	
Processing fee of \$130 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR \$1.942(f))				\$ 00.00	
Fee for recording encl. assignment (37 CFR \$1.21(h)). The assignment must be accompanied by recordation cover sheet (37 CFR \$3.28) \$40 per prop.				\$	
<b>TOTAL FEES ENCLOSED =</b>				\$1310.00	
Amount To Be: refunded				\$	
Amount To Be: charged				\$	
a. <input type="checkbox"/> A check in the amount of \$* to cover the filing fees is enclosed.					
b. <input checked="" type="checkbox"/> Please charge Deposit Account No. <u>50-0665</u> in the amount of <u>\$1310.00</u> to cover the above fees. This sheet is provided in triplicate.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0665</u> .					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR \$1.494 or \$1.495 has not been met, a petition to revive (37 CFR \$1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:  Perkins Coie LLP P.O. Box 2168 Menlo Park, CA 94026			<div style="text-align: center;"> </div> Signature LeeAnn Gorthey Registration No. <u>37,337</u>		

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

10/29/2001 UEDUVIJE 00000012 500665 09914101

01 FC:964 160.00 CH

03/23/2001 MKAYPAGH 00000025 500665 09914101

01 FC:970 860.00 CH  
02 FC:154 130.00 CH  
~~03 FC:964 320.00 CH~~

Adjustment date: 10/29/2001 UEDUVIJE  
08/28/2001 MKAYPAGH 00000025 500665 09914101  
~~03 FC:964 320.00 CH~~

PTO-1556  
(5/87)